

Title: METHOD AND APPARATUS
FOR IDENTIFYING A MESSAGE
SOURCE IN A NETWORK
Inventor(s): Jay D. Knitter
DOCKET NO.: 200209059-1

Figure 1

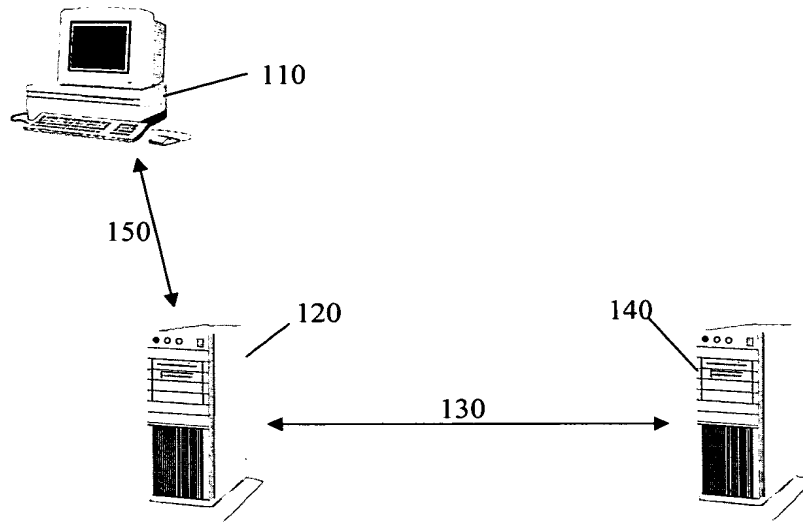


Figure 2

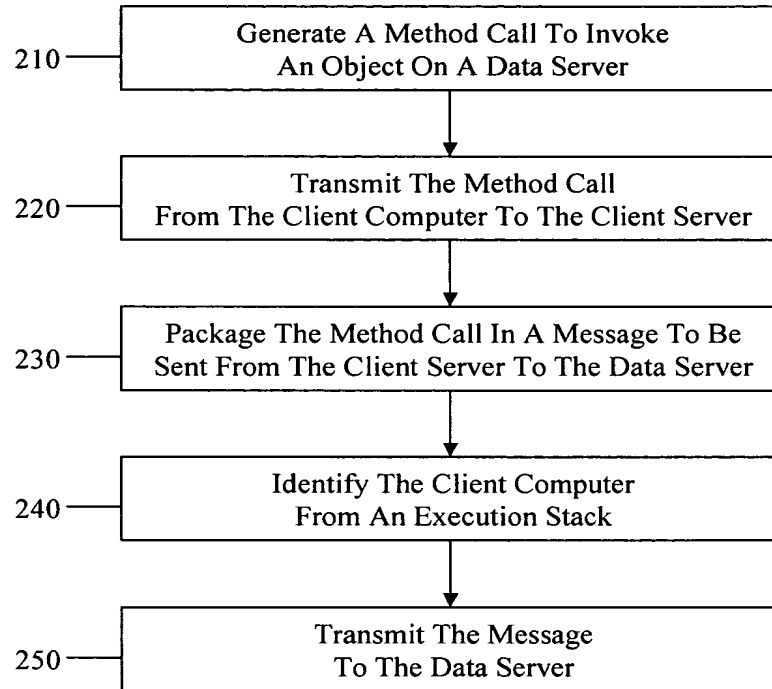


Figure 3

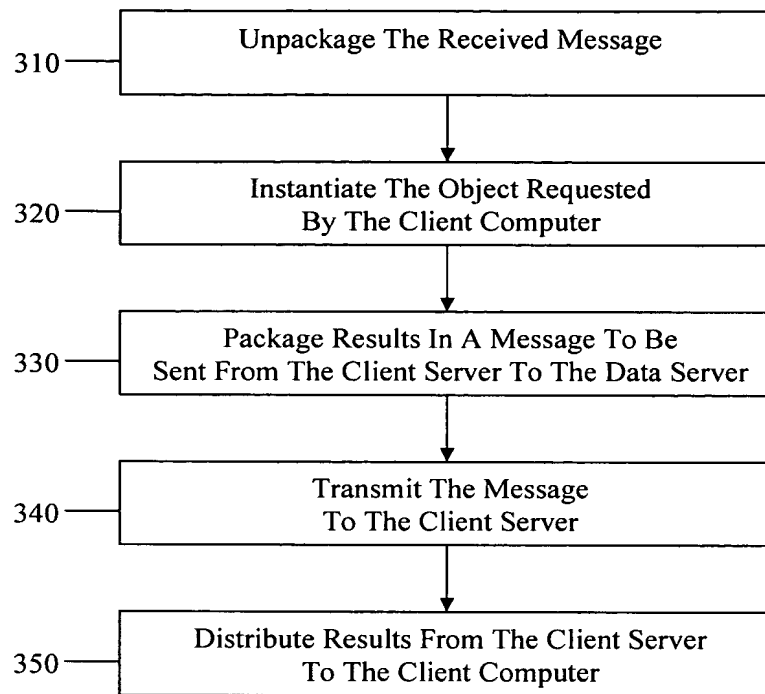


Figure 4

```
----- Step 410 -----  
//Define all known classes which clients call to send a SOAP message  
public static final String AXIS_SEND_SOAP_MESSAGE_CLASS =  
    "org.apache.axis.client.Call";  
public static final String EXAMPLE_SEND_SOAP_MESSAGE_CLASS = "Client2";  
  
----- Step 420 -----  
//Get array of classes in execution stack  
Class[] classArray = sm.getClassContext();  
  
----- Step 430 -----  
//Iterate through each class in the execution stack  
for(int i=0; i<classArray.length; i++) {  
//Get the name of the next class that sends the SOAP message  
String fullyQualifiedClassName = classArray[i].getName();  
  
----- Step 440 -----  
if(fullyQualifiedClassName.equals(EXAMPLE_SEND_SOAP_MESSAGE_CLASS)) {  
    //If the name matches the class that sends the SOAP message  
    //then return the next class name in the execution stack  
    //because it had to call the class that sends the SOAP message  
    return classArray[i+1].getName();  
}
```

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Figure 5

